

Yash Agrawal

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Academic Qualifications

| Year | Degree/Certificate | Institute | Score |
|-----------|--------------------------|--|-----------|
| 2022–2026 | B.Tech, Computer Science | University of Engineering and Management | CGPA 8.85 |
| 2022 | 12th – CBSE | Lions School, Mirzapur | 84.2% |
| 2020 | 10th – CBSE | Lions School, Mirzapur | 85.4% |

Key Projects

Decentralized Healthcare Record Management System2025

- Developed a blockchain-based web app managing 500+ patient records securely using Solidity, Ethereum, and IPFS
- Built React.js patient and provider portals with smart contract-based access control
- Enhanced data privacy, reducing unauthorized access risk by 40%

DeFi AI Chatbot2025

- Developed decentralized finance chatbot frontend using Next.js and ethers.js handling 50+ real-time queries daily
- Implemented Chainlink Functions for live financial data and AI responses
- Secured API keys and optimized blockchain transaction flow

Vulnerability Scanner2025

- Built CLI-based scanner performing automated port scanning, service detection, and vulnerability analysis
- Converted to Flask web app with multithreaded scanning and HTML reports for 100+ target hosts
- Linked CVE database for real-time vulnerability alerts, reducing manual detection effort by 50%

Experience

Intern – Blockchain Development & Cybersecurity Projects2025

- Developed decentralized identity management solutions, deploying 3 smart contracts for secure credentials
- Configured IPFS for storage of 500+ healthcare records, improving data security and retrieval speed by 35%
- Automated QA workflows using Selenium, reducing testing time by 25%
- Participated in 2 cybersecurity workshops, identifying 15+ lab vulnerabilities and improving detection efficiency

Certifications

- Blockchain Technology – LinkedIn Learning: [Link](#)
- NPTEL Courses – JAVA: [Link](#)
- Ethical Hacking and Computer Networking – Udemy: [Link](#)
- Bug Bounty & Cybersecurity Workshop – aTechzonce IT: [Link](#)

Technical Skills

- Programming: Java, Python, JavaScript, Solidity, PHP
- Web Development: HTML, CSS, React.js, Node.js, Next.js, Flask
- Blockchain: Ethereum, Hardhat, Smart Contracts, IPFS, Chainlink
- Cybersecurity: Bug Bounty, Vulnerability Scanning, Penetration Testing, Report Generation
- Tools & Platforms: Git, GitHub, Google Colab, VS Code, Docker
- Databases: MySQL, MongoDB
- Others: QA Automation (Selenium), Networking (DHCP, NAT, CIDR)

Interests & Languages

- Playing Cricket, Sketching Human Figures
- Languages: English, Hindi